

Chartchalerm Isarankura-Na-Ayudhya

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,910
citations

257101

24
h-index

276539

41
g-index

72
all docs

72
docs citations

72
times ranked

2257
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in computational methods to predict the biological activity of compounds. <i>Expert Opinion on Drug Discovery</i> , 2010, 5, 633-654.	2.5	163
2	Copper complexes of pyridine derivatives with superoxide scavenging and antimicrobial activities. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 3259-3265.	2.6	155
3	Antimicrobial and Antioxidative Activities of Bioactive Constituents from <i>Hydnophytum formicarum</i> Jack.. <i>Molecules</i> , 2008, 13, 904-921.	1.7	100
4	Quantitative structure-imprinting factor relationship of molecularly imprinted polymers. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3309-3317.	5.3	81
5	Copper Complexes of Nicotinic-Aromatic Carboxylic Acids as Superoxide Dismutase Mimetics. <i>Molecules</i> , 2008, 13, 3040-3056.	1.7	79
6	Molecular Docking of Aromatase Inhibitors. <i>Molecules</i> , 2011, 16, 3597-3617.	1.7	76
7	Vasorelaxant and Antioxidant Activities of <i>Spilanthes acmella</i> Murr.. <i>International Journal of Molecular Sciences</i> , 2008, 9, 2724-2744.	1.8	72
8	Prediction of GFP spectral properties using artificial neural network. <i>Journal of Computational Chemistry</i> , 2007, 28, 1275-1289.	1.5	59
9	EDTA-induced Membrane Fluidization and Destabilization: Biophysical Studies on Artificial Lipid Membranes. <i>Acta Biochimica Et Biophysica Sinica</i> , 2007, 39, 901-913.	0.9	59
10	Prediction of bond dissociation enthalpy of antioxidant phenols by support vector machine. <i>Journal of Molecular Graphics and Modelling</i> , 2008, 27, 188-196.	1.3	56
11	Identification of metabolic syndrome using decision tree analysis. <i>Diabetes Research and Clinical Practice</i> , 2010, 90, e15-e18.	1.1	48
12	Predicting the free radical scavenging activity of curcumin derivatives. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 109, 207-216.	1.8	47
13	Bioactive Azafluorenone Alkaloids from <i>Polyalthia debilis</i> (Pierre) Finet & Gagnep.. <i>Molecules</i> , 2009, 14, 4414-4424.	1.7	42
14	Synthesis and Theoretical Study of Molecularly Imprinted Nanospheres for Recognition of Tocopherols. <i>Molecules</i> , 2009, 14, 2985-3002.	1.7	42
15	Modeling the activity of furin inhibitors using artificial neural network. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 1664-1673.	2.6	40
16	Metalloantibiotic Mn(II)-bacitracin complex mimicking manganese superoxide dismutase. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 925-930.	1.0	37
17	Fluorescent Protein-Based Optical Biosensor for Copper Ion Quantitation. <i>Biological Trace Element Research</i> , 2010, 134, 352-363.	1.9	36
18	Paper-based acetylcholinesterase inhibition assay combining a wet system for organophosphate and carbamate pesticides detection. <i>EXCLI Journal</i> , 2015, 14, 307-19.	0.5	33

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19	Identification of ischemic heart disease via machine learning analysis on magnetocardiograms. <i>Computers in Biology and Medicine</i> , 2008, 38, 817-825.	3.9	32
20	QSAR Study of H1N1 Neuraminidase Inhibitors from Influenza a Virus. <i>Letters in Drug Design and Discovery</i> , 2014, 11, 420-427.	0.4	32
21	QSAR modeling of aromatase inhibitory activity of 1-substituted 1,2,3-triazole analogs of letrozole. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 99-114.	2.6	31
22	Computational Insights on Sulfonamide Imprinted Polymers. <i>Molecules</i> , 2008, 13, 3077-3091.	1.7	30
23	Exploring the chemical space of aromatase inhibitors. <i>Molecular Diversity</i> , 2013, 17, 661-677.	2.1	28
24	Predictive QSAR modeling of aldose reductase inhibitors using Monte Carlo feature selection. <i>European Journal of Medicinal Chemistry</i> , 2014, 76, 352-359.	2.6	28
25	Reference map and comparative proteomic analysis of <i>Neisseria gonorrhoeae</i> displaying high resistance against spectinomycin. <i>Journal of Medical Microbiology</i> , 2014, 63, 371-385.	0.7	25
26	Modeling the LPS Neutralization Activity of Anti-Endotoxins. <i>Molecules</i> , 2009, 14, 1869-1888.	1.7	23
27	Quantitative structure–property relationship study of spectral properties of green fluorescent protein with support vector machine. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 120, 42-52.	1.8	23
28	QSAR study of amidino bis-benzimidazole derivatives as potent anti-malarial agents against <i>Plasmodium falciparum</i> . <i>Chemical Papers</i> , 2013, 67, .	1.0	22
29	AutoWeka: Toward an Automated Data Mining Software for QSAR and QSPR Studies. <i>Methods in Molecular Biology</i> , 2015, 1260, 119-147.	0.4	22
30	QSAR MODEL OF THE QUORUM-QUENCHING N-ACYL-HOMOSERINE LACTONE LACTONASE ACTIVITY. <i>Journal of Biological Systems</i> , 2008, 16, 279-293.	0.5	19
31	Quercetin-imprinted polymer for anthocyanin extraction from mangosteen pericarp. <i>Materials Science and Engineering C</i> , 2015, 51, 127-131.	3.8	18
32	Shedding Light on the Role of <i>Vitreoscilla</i> Hemoglobin on Cellular Catabolic Regulation by Proteomic Analysis. <i>International Journal of Biological Sciences</i> , 2008, 4, 71-80.	2.6	18
33	<sc>HCVpred</sc>: A web server for predicting the bioactivity of hepatitis C virus <sc>NS5B</sc> inhibitors. <i>Journal of Computational Chemistry</i> , 2020, 41, 1820-1834.	1.5	16
34	Quantitative population-health relationship (QPHR) for assessing metabolic syndrome. <i>EXCLI Journal</i> , 2013, 12, 569-83.	0.5	16
35	Repositioning of 8-hydroxyquinoline derivatives as a new promising candidate for combating multidrug resistant. <i>EXCLI Journal</i> , 2018, 17, 840-846.	0.5	15
36	Metal ion accessibility of histidine-modified superfolder green fluorescent protein expressed in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2008, 30, 1391-1396.	1.1	14

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37	Comparative proteomics analysis of <i>Neisseria gonorrhoeae</i> strains in response to extended-spectrum cephalosporins. <i>EXCLI Journal</i> , 2017, 16, 1207-1229.	0.5	14
38	Metal Complexes of Uracil Derivatives with Cytotoxicity and Superoxide Scavenging Activity. <i>Letters in Drug Design and Discovery</i> , 2012, 9, 282-287.	0.4	14
39	Lower BMI cutoff for assessing the prevalence of metabolic syndrome in Thai population. <i>Acta Diabetologica</i> , 2010, 47, 91-96.	1.2	13
40	Production and Characterization of Recombinant Wild Type Uricase from Indonesian Coelacanth (<i>L. Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Bridges Engineering. International Journal of Molecular Sciences</i> , 2019, 20, 1269.	1.8	13
41	Predicting antimicrobial activities of benzimidazole derivatives. <i>Medicinal Chemistry Research</i> , 2013, 22, 5418-5430.	1.1	12
42	High-fat diet-induced plasma protein and liver changes in obese rats can be attenuated by melatonin supplementation. <i>Nutrition Research</i> , 2017, 42, 51-63.	1.3	12
43	Proteomic study of in vitro osteogenic differentiation of mesenchymal stem cells in high glucose condition. <i>Molecular Biology Reports</i> , 2020, 47, 7505-7516.	1.0	12
44	QSAR study of anti-prion activity of 2-aminothiazoles. <i>EXCLI Journal</i> , 2012, 11, 453-67.	0.5	12
45	Engineering of a novel chimera of superoxide dismutase and <i>Vitreoscilla</i> hemoglobin for rapid detoxification of reactive oxygen species. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 633-637.	1.1	11
46	Genetic algorithm search space splicing particle swarm optimization as general-purpose optimizer. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 128, 153-159.	1.8	11
47	A simple method for creating molecularly imprinted polymer-coated bacterial cellulose nanofibers. <i>Chemical Papers</i> , 2014, 68, .	1.0	11
48	Proteochemometric model for predicting the inhibition of penicillin-binding proteins. <i>Journal of Computer-Aided Molecular Design</i> , 2015, 29, 127-141.	1.3	11
49	Oxidative responses and defense mechanism of hyperpigmented as characterized by proteomics and metabolomics. <i>EXCLI Journal</i> , 2018, 17, 544-562.	0.5	10
50	Metal complexation by histidine-rich peptides confers protective roles against cadmium stress in <i>Escherichia coli</i> as revealed by proteomics analysis. <i>PeerJ</i> , 2018, 6, e5245.	0.9	10
51	Synthesis and computational investigation of molecularly imprinted nanospheres for selective recognition of alpha-tocopherol succinate. <i>EXCLI Journal</i> , 2013, 12, 701-18.	0.5	10
52	QSAR modeling of aromatase inhibition by flavonoids using machine learning approaches. <i>Chemical Papers</i> , 2014, 68, .	1.0	9
53	Proteomic alterations of <i>Escherichia coli</i> by paraquat. <i>EXCLI Journal</i> , 2010, 9, 108-118.	0.5	9
54	Solving the barriers to diabetes education through the use of multimedia. <i>Australian Journal of Cancer Nursing</i> , 2010, 12, 58-66.	0.8	8

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55	Engineering of chimeric catalase-Angiopep-2 for intracellular protection of brain endothelial cells against oxidative stress. <i>International Journal of Biological Macromolecules</i> , 2014, 68, 60-66.	3.6	7
56	Proteomics and bioinformatics analysis reveal potential roles of cadmium-binding proteins in cadmium tolerance and accumulation of <i>Enterobacter cloacae</i> . <i>PeerJ</i> , 2019, 7, e6904.	0.9	7
57	In vitro study of parasite elimination and endothelial protection by curcumin: adjunctive therapy for cerebral malaria. <i>EXCLI Journal</i> , 2014, 13, 287-99.	0.5	6
58	Exploring the physicochemical properties of templates from molecular imprinting literature using interactive text mining approach. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 116, 128-136.	1.8	5
59	Probing the origins of anticancer activity of chrysin derivatives. <i>Medicinal Chemistry Research</i> , 2015, 24, 1884-1892.	1.1	5
60	Biochemical and cellular investigation of Vitreoscilla hemoglobin (VHb) variants possessing efficient peroxidase activity. <i>Journal of Microbiology and Biotechnology</i> , 2010, 20, 532-41.	0.9	5
61	Exploring the origins of structure-oxygen affinity relationship of human haemoglobin allosteric effector. <i>Molecular Simulation</i> , 2015, 41, 1283-1291.	0.9	4
62	Co-expression of zinc binding motif and GFP as a cellular indicator of metal ions mobility. <i>International Journal of Biological Sciences</i> , 2005, 1, 146-151.	2.6	4
63	Nation-wide investigation of RHD variants in Thai blood donors: Impact for molecular diagnostics. <i>Transfusion</i> , 2021, 61, 931-938.	0.8	4
64	Retinol-binding protein 4 and its potential roles in hypercholesterolemia revealed by proteomics. <i>EXCLI Journal</i> , 2015, 14, 999-1013.	0.5	4
65	The Identification of Functional Non-Synonymous SNP in Human ATPBinding Cassette (ABC), Subfamily Member 7 Gene: Application of Bioinformatics Tools in Biomedicine. <i>Journal of Bioanalysis & Biomedicine</i> , 2011, 03, .	0.1	3
66	Roles of kininogen-1, basement membrane specific heparan sulfate proteoglycan core protein, and roundabout homolog 4 as potential urinary protein biomarkers in diabetic nephropathy. <i>EXCLI Journal</i> , 2020, 19, 872-891.	0.5	3
67	Polyacrylamide hydrogel encapsulated E. coli expressing metal-sensing green fluorescent protein as a potential tool for copper ion determination. <i>EXCLI Journal</i> , 2014, 13, 401-15.	0.5	3
68	PyBact: an algorithm for bacterial identification. <i>EXCLI Journal</i> , 2011, 10, 240-245.	0.5	3
69	Increase Membrane Vesiculation in Essential Hypertension. <i>Laboratory Medicine</i> , 2012, 43, 6-9.	0.8	2
70	Prevalence of Thalassemia Traits and Iron Deficiency Anemia in Sindh, Pakistan. <i>Hemoglobin</i> , 2017, 41, 157-163.	0.4	2
71	Protective Efficacy of <i>Spilanthes acmella</i> Murr. Extracts and Bioactive Constituents in Neuronal Cell Death. <i>Rejuvenation Research</i> , 2022, , .	0.9	2
72	Boiling, Blanching, and Stir-Frying Markedly Reduce Pesticide Residues in Vegetables. <i>Foods</i> , 2022, 11, 1463.	1.9	2